

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/798,844

Source: \_\_\_\_\_

Date Processed by STIC: \_\_\_\_\_

***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 01/11/2005

PATENT APPLICATION: US/10/798,844

TIME: 14:48:06

Input Set : N:\Crf3\RULE60\10798844.raw.txt

Output Set: N:\CRF4\01112005\J798844.raw

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1 <110> APPLICANT: City of Hope
2     Liu, Qiang
3     Sommer, Steve S.
4     Riggs, Arthur D.
5 <120> TITLE OF INVENTION: Pyrophosphorolysis Activated Polymerization (PAP)
6 <130> FILE REFERENCE: 1954-378-II
7 <140> CURRENT APPLICATION NUMBER: US/10/798,844
8 <141> CURRENT FILING DATE: 2004-03-12
9 <150> PRIOR APPLICATION NUMBER: US/10/434,369
10 <151> PRIOR FILING DATE: 2003-05-09
11 <150> PRIOR APPLICATION NUMBER: US 10/269,879
12 <151> PRIOR FILING DATE: 2002-10-15
13 <150> PRIOR APPLICATION NUMBER: US 09/789,556
14 <151> PRIOR FILING DATE: 2001-02-22
15 <150> PRIOR APPLICATION NUMBER: US 60/379,092
16 <151> PRIOR FILING DATE: 2002-05-10
17 <150> PRIOR APPLICATION NUMBER: US 60/237,180
18 <151> PRIOR FILING DATE: 2000-10-03
19 <150> PRIOR APPLICATION NUMBER: US 60/187,035
20 <151> PRIOR FILING DATE: 2000-03-06
21 <150> PRIOR APPLICATION NUMBER: US 60/184,315
22 <151> PRIOR FILING DATE: 2000-02-23
23 <160> NUMBER OF SEQ ID NOS: 72
24 <170> SOFTWARE: PatentIn version 3.0
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 24
28 <212> TYPE: DNA
29 <213> ORGANISM: Artificial
30 <220> FEATURE:
31 <223> OTHER INFORMATION: Amplification primer
32 <400> SEQUENCE: 1
33     gacctgcagc aagggagtca gaag                                     24
35 <210> SEQ ID NO: 2
36 <211> LENGTH: 24
37 <212> TYPE: DNA
38 <213> ORGANISM: Artificial
39 <220> FEATURE:
40 <223> OTHER INFORMATION: Amplification primer
41 <400> SEQUENCE: 2
42     tcataccgga aagggtgga gata                                     24
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 33
46 <212> TYPE: DNA

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47 <213> ORGANISM: Homo sapiens
48 <400> SEQUENCE: 3
49      aatctgactg acccctattc cctgcttrgg aac                                33
51 <210> SEQ ID NO: 4
52 <211> LENGTH: 21
53 <212> TYPE: DNA
54 <213> ORGANISM: Artificial
55 <220> FEATURE:
56 <223> OTHER INFORMATION: Oligonucleotide
57 <400> SEQUENCE: 4
58      actgaccctt attccctgct t                                           21
60 <210> SEQ ID NO: 5
61 <211> LENGTH: 22
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial
64 <220> FEATURE:
65 <223> OTHER INFORMATION: Oligonucleotide
66 <220> FEATURE:
67 <221> NAME/KEY: misc_feature
68 <222> LOCATION: (22)..(22)
69 <223> OTHER INFORMATION: dideoxynucleotide
70 <400> SEQUENCE: 5
71      actgaccctt attccctgct tg                                           22
73 <210> SEQ ID NO: 6
74 <211> LENGTH: 23
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial
77 <220> FEATURE:
78 <223> OTHER INFORMATION: Oligonucleotide
79 <220> FEATURE:
80 <221> NAME/KEY: misc_feature
81 <222> LOCATION: (23)..(23)
82 <223> OTHER INFORMATION: dideoxynucleotide
83 <400> SEQUENCE: 6
84      actgaccctt attccctgct tgg                                           23
86 <210> SEQ ID NO: 7
87 <211> LENGTH: 24
88 <212> TYPE: DNA
89 <213> ORGANISM: Artificial
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Oligonucleotide
92 <220> FEATURE:
93 <221> NAME/KEY: misc_feature
94 <222> LOCATION: (24)..(24)
95 <223> OTHER INFORMATION: dideoxynucleotide
96 <400> SEQUENCE: 7
97      actgaccctt attccctgct tggg                                          24
99 <210> SEQ ID NO: 8
100 <211> LENGTH: 25

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101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Oligonucleotide
105 <220> FEATURE:
106 <221> NAME/KEY: misc_feature
107 <222> LOCATION: (25)..(25)
108 <223> OTHER INFORMATION: dideoxynucleotide
109 <400> SEQUENCE: 8
110     actgaccctt attccctgct tgggg                                     25
112 <210> SEQ ID NO: 9
113 <211> LENGTH: 26
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Oligonucleotide
118 <220> FEATURE:
119 <221> NAME/KEY: misc_feature
120 <222> LOCATION: (26)..(26)
121 <223> OTHER INFORMATION: dideoxynucleotide
122 <400> SEQUENCE: 9
123     tctgactgac ccctattccc tgcttg                                     26
125 <210> SEQ ID NO: 10
126 <211> LENGTH: 24
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Oligonucleotide
131 <220> FEATURE:
132 <221> NAME/KEY: misc_feature
133 <222> LOCATION: (24)..(24)
134 <223> OTHER INFORMATION: dideoxynucleotide
135 <400> SEQUENCE: 10
136     tgactgaccc ctattccctg ctta                                     24
138 <210> SEQ ID NO: 11
139 <211> LENGTH: 24
140 <212> TYPE: DNA
141 <213> ORGANISM: Artificial
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Oligonucleotide
144 <400> SEQUENCE: 11
145     tcataccgga aagggtgga gata                                     24
147 <210> SEQ ID NO: 12
148 <211> LENGTH: 26
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial
151 <220> FEATURE:
152 <223> OTHER INFORMATION: Oligonucleotide
153 <400> SEQUENCE: 12

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154      taggaacttg gggggtgtca gagccc                26
156 <210> SEQ ID NO: 13
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158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Oligonucleotide
162 <400> SEQUENCE: 13
163      tctgactgac ccctattccc tgcttg                26
165 <210> SEQ ID NO: 14
166 <211> LENGTH: 22
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Oligonucleotide
171 <220> FEATURE:
172 <221> NAME/KEY: misc_feature
173 <222> LOCATION: (22)..(22)
174 <223> OTHER INFORMATION: dideoxynucleotide
175 <400> SEQUENCE: 14
176      actgaccctt attccctgct tg                    22
178 <210> SEQ ID NO: 15
179 <211> LENGTH: 20
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Oligonucleotide
184 <220> FEATURE:
185 <221> NAME/KEY: misc_feature
186 <222> LOCATION: (20)..(20)
187 <223> OTHER INFORMATION: dideoxynucleotide
188 <400> SEQUENCE: 15
189      tgacccttat tccctgcttg                        20
191 <210> SEQ ID NO: 16
192 <211> LENGTH: 18
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Oligonucleotide
197 <220> FEATURE:
198 <221> NAME/KEY: misc_feature
199 <222> LOCATION: (18)..(18)
200 <223> OTHER INFORMATION: dideoxynucleotide
201 <400> SEQUENCE: 16
202      acccctattc cctgcttg                          18
204 <210> SEQ ID NO: 17
205 <211> LENGTH: 26
206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial

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208 <220> FEATURE:
209 <223> OTHER INFORMATION: Oligonucleotide
210 <220> FEATURE:
211 <221> NAME/KEY: misc_feature
212 <222> LOCATION: (26)..(26)
213 <223> OTHER INFORMATION: dideoxynucleotide
214 <400> SEQUENCE: 17
215      ctattccctg cttgggaact tgaggg                26
217 <210> SEQ ID NO: 18
218 <211> LENGTH: 22
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Oligonucleotide
223 <220> FEATURE:
224 <221> NAME/KEY: misc_feature
225 <222> LOCATION: (22)..(22)
226 <223> OTHER INFORMATION: dideoxynucleotide
227 <400> SEQUENCE: 18
228      tccctgcttg ggaacttgag gg                22
230 <210> SEQ ID NO: 19
231 <211> LENGTH: 20
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Oligonucleotide
236 <220> FEATURE:
237 <221> NAME/KEY: misc_feature
238 <222> LOCATION: (20)..(20)
239 <223> OTHER INFORMATION: dideoxynucleotide
240 <400> SEQUENCE: 19
241      cctgcttggg aacttgaggg                20
243 <210> SEQ ID NO: 20
244 <211> LENGTH: 18
245 <212> TYPE: DNA
246 <213> ORGANISM: Artificial
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Oligonucleotide
249 <220> FEATURE:
250 <221> NAME/KEY: misc_feature
251 <222> LOCATION: (18)..(18)
252 <223> OTHER INFORMATION: dideoxynucleotide
253 <400> SEQUENCE: 20
254      tgcttgggaa cttgaggg                18
256 <210> SEQ ID NO: 21
257 <211> LENGTH: 26
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial
260 <220> FEATURE:

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 01/11/2005  
PATENT APPLICATION:    US/10/798,844      TIME: 14:48:07

Input Set : N:\Crf3\RULE60\10798844.raw.txt  
Output Set: N:\CRF4\01112005\J798844.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28  
Seq#:29,30,31,32,34,35,36,37,38,39,40,41,42,44,45,46,47,48,49,50,51,52,53,54  
Seq#:57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72

**VERIFICATION SUMMARY**

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